

Detailed Data Tables: Adolescents and Young Adults

Recent changes to the presentation of Massachusetts HIV/AIDS surveillance data

Effective January 1, 2011, the Massachusetts Department of Public Health (MDPH), Bureau of Infectious Disease, HIV/AIDS fact sheets, epidemiologic reports and other HIV data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts. As of January 1, 2015, this resulted in the removal of 4,401 HIV/AIDS cases, of which 1,021 have died and 3,380 were living. These persons living with HIV/AIDS may still continue to reside and receive care in the Commonwealth. The total number of persons living with HIV/AIDS, irrespective of location at diagnosis, is the basis for MDPH service planning. Please note that previous HIV/AIDS fact sheets, data reports and presentations included cases that may have been first diagnosed in another state.

Also effective January 1, 2011, the MDPH HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to eliminate the presumed heterosexual risk category for men; those cases have been reassigned to the no identified risk (NIR) category. The presumed heterosexual risk category was used with the intention of identifying HIV risk for women when sex with men is the only reported risk factor, there is no evidence of current or past injection drug use (IDU), and behavioral risk and HIV status information about male sexual partners are unknown. The application of the presumed heterosexual risk category to men is overly inclusive in that woman to man HIV transmission is biologically less probable, and there are alternate risks that are possible for men, including sex with other men (MSM) or IDU. The CDC reports men diagnosed with HIV/AIDS who report sex with women as their only risk factor, without corresponding partner risk or HIV status information, in the NIR category. This revision to report presumed heterosexual male HIV/AIDS cases as NIR will bring Massachusetts HIV/AIDS case reporting for men in alignment with CDC standards. The MDPH will maintain presumed heterosexual and heterosexual risk categories for women.

Table 1. People diagnosed with HIV infection by age at diagnosis: Massachusetts¹, 2004–2013²

| Year | <13 | | 13–19 | | 20–24 | | 25–29 | | 30–34 | | 35–39 | | 40–44 | | 45–49 | | 50–54 | | 55–59 | | 60+ | | Total |
|------|-----|----|-------|----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|----|-----|----|------------|
| | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N |
| 2004 | 10 | 1% | 21 | 2% | 55 | 6% | 98 | 11% | 135 | 15% | 181 | 20% | 168 | 18% | 117 | 13% | 70 | 8% | 38 | 4% | 29 | 3% | 922 |
| 2005 | 5 | 1% | 8 | 1% | 58 | 6% | 89 | 10% | 144 | 16% | 154 | 17% | 189 | 21% | 129 | 14% | 63 | 7% | 37 | 4% | 26 | 3% | 902 |
| 2006 | 5 | 1% | 21 | 3% | 64 | 8% | 91 | 11% | 100 | 12% | 146 | 18% | 148 | 18% | 118 | 14% | 66 | 8% | 40 | 5% | 26 | 3% | 825 |
| 2007 | 4 | 1% | 14 | 2% | 53 | 7% | 83 | 11% | 87 | 12% | 133 | 18% | 130 | 17% | 114 | 15% | 62 | 8% | 35 | 5% | 32 | 4% | 747 |
| 2008 | 6 | 1% | 21 | 3% | 59 | 8% | 103 | 14% | 89 | 12% | 79 | 11% | 125 | 17% | 105 | 14% | 75 | 10% | 44 | 6% | 36 | 5% | 742 |
| 2009 | 3 | 0% | 19 | 3% | 60 | 8% | 69 | 10% | 96 | 14% | 91 | 13% | 111 | 16% | 115 | 16% | 66 | 9% | 40 | 6% | 36 | 5% | 706 |
| 2010 | 6 | 1% | 11 | 2% | 64 | 9% | 68 | 10% | 85 | 12% | 111 | 16% | 96 | 14% | 103 | 15% | 77 | 11% | 41 | 6% | 36 | 5% | 698 |
| 2011 | 3 | 0% | 23 | 3% | 70 | 10% | 73 | 10% | 87 | 12% | 92 | 13% | 116 | 17% | 99 | 14% | 59 | 8% | 37 | 5% | 38 | 5% | 697 |
| 2012 | 2 | 0% | 24 | 3% | 74 | 10% | 97 | 14% | 96 | 14% | 80 | 11% | 87 | 12% | 103 | 15% | 60 | 8% | 47 | 7% | 39 | 6% | 709 |
| 2013 | 2 | 0% | 16 | 2% | 77 | 11% | 100 | 14% | 98 | 14% | 57 | 8% | 77 | 11% | 106 | 15% | 82 | 12% | 45 | 6% | 38 | 5% | 698 |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/15

Table 2. Men diagnosed with HIV infection by age at diagnosis: Massachusetts¹, 2004–2013²

| | <13 | | 13–19 | | 20–24 | | 25–29 | | 30–34 | | 35–39 | | 40–44 | | 45–49 | | 50–54 | | 55–59 | | 60+ | | Total |
|------|-----|-----|-------|----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|----|-----|----|------------|
| Year | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N |
| 2004 | 4 | 1% | 10 | 2% | 37 | 6% | 63 | 10% | 87 | 13% | 144 | 22% | 118 | 18% | 85 | 13% | 44 | 7% | 31 | 5% | 23 | 4% | 646 |
| 2005 | 0 | 0% | 5 | 1% | 39 | 6% | 66 | 10% | 102 | 16% | 114 | 17% | 145 | 22% | 99 | 15% | 46 | 7% | 26 | 4% | 16 | 2% | 658 |
| 2006 | 3 | 1% | 10 | 2% | 42 | 7% | 60 | 10% | 71 | 12% | 113 | 19% | 110 | 19% | 86 | 15% | 52 | 9% | 26 | 4% | 19 | 3% | 592 |
| 2007 | 1 | <1% | 6 | 1% | 40 | 7% | 59 | 11% | 56 | 10% | 99 | 19% | 95 | 18% | 83 | 16% | 51 | 10% | 24 | 4% | 21 | 4% | 535 |
| 2008 | 6 | 1% | 14 | 3% | 48 | 9% | 74 | 14% | 60 | 11% | 54 | 10% | 91 | 17% | 81 | 15% | 54 | 10% | 32 | 6% | 27 | 5% | 541 |
| 2009 | 1 | <1% | 14 | 3% | 50 | 9% | 55 | 10% | 70 | 13% | 68 | 13% | 85 | 16% | 97 | 18% | 48 | 9% | 28 | 5% | 26 | 5% | 542 |
| 2010 | 3 | 1% | 6 | 1% | 47 | 9% | 53 | 11% | 59 | 12% | 75 | 15% | 73 | 15% | 81 | 16% | 57 | 11% | 24 | 5% | 23 | 5% | 501 |
| 2011 | 1 | <1% | 13 | 3% | 59 | 12% | 57 | 11% | 55 | 11% | 64 | 13% | 86 | 17% | 72 | 14% | 42 | 8% | 26 | 5% | 24 | 5% | 499 |
| 2012 | 1 | <1% | 16 | 3% | 62 | 12% | 78 | 15% | 62 | 12% | 56 | 11% | 67 | 13% | 76 | 15% | 44 | 8% | 38 | 7% | 21 | 4% | 521 |
| 2013 | 1 | <1% | 7 | 1% | 63 | 12% | 81 | 15% | 77 | 14% | 43 | 8% | 60 | 11% | 82 | 15% | 62 | 12% | 31 | 6% | 26 | 5% | 533 |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/15

Table 3. Women diagnosed with HIV infection by age at diagnosis: Massachusetts¹, 2004–2013²

| Year | <13 | | 13–19 | | 20–24 | | 25–29 | | 30–34 | | 35–39 | | 40–44 | | 45–49 | | 50–54 | | 55–59 | | 60+ | | Total |
|------|-----|----|-------|----|-------|----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|----|-----|-----|------------|
| | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N | % | N |
| 2004 | 6 | 2% | 11 | 4% | 18 | 7% | 35 | 13% | 48 | 17% | 37 | 13% | 50 | 18% | 32 | 12% | 26 | 9% | 7 | 3% | 6 | 2% | 276 |
| 2005 | 5 | 2% | 3 | 1% | 19 | 8% | 23 | 9% | 42 | 17% | 40 | 16% | 44 | 18% | 30 | 12% | 17 | 7% | 11 | 5% | 10 | 4% | 244 |
| 2006 | 2 | 1% | 11 | 5% | 22 | 9% | 31 | 13% | 29 | 12% | 33 | 14% | 38 | 16% | 32 | 14% | 14 | 6% | 14 | 6% | 7 | 3% | 233 |
| 2007 | 3 | 1% | 8 | 4% | 13 | 6% | 24 | 11% | 31 | 15% | 34 | 16% | 35 | 17% | 31 | 15% | 11 | 5% | 11 | 5% | 11 | 5% | 212 |
| 2008 | 0 | 0% | 7 | 3% | 11 | 5% | 29 | 14% | 29 | 14% | 25 | 12% | 34 | 17% | 24 | 12% | 21 | 10% | 12 | 6% | 9 | 4% | 201 |
| 2009 | 2 | 1% | 5 | 3% | 10 | 6% | 14 | 9% | 26 | 16% | 23 | 14% | 26 | 16% | 18 | 11% | 18 | 11% | 12 | 7% | 10 | 6% | 164 |
| 2010 | 3 | 2% | 5 | 3% | 17 | 9% | 15 | 8% | 26 | 13% | 36 | 18% | 23 | 12% | 22 | 11% | 20 | 10% | 17 | 9% | 13 | 7% | 197 |
| 2011 | 2 | 1% | 10 | 5% | 11 | 6% | 16 | 8% | 32 | 16% | 28 | 14% | 30 | 15% | 27 | 14% | 17 | 9% | 11 | 6% | 14 | 7% | 198 |
| 2012 | 1 | 1% | 8 | 4% | 12 | 6% | 19 | 10% | 34 | 18% | 24 | 13% | 20 | 11% | 27 | 14% | 16 | 9% | 9 | 5% | 18 | 10% | 188 |
| 2013 | 1 | 1% | 9 | 5% | 14 | 8% | 19 | 12% | 21 | 13% | 14 | 8% | 17 | 10% | 24 | 15% | 20 | 12% | 14 | 8% | 12 | 7% | 165 |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/15

Table 4. People living with HIV/AIDS on December 31, 2014 by age at HIV infection diagnosis: Massachusetts¹

| Age (years) | N | % |
|--------------|---------------|-------------|
| Under 13 | 23 | <1% |
| 13 to 19 | 77 | <1% |
| 20 to 24 | 293 | 1% |
| 25 to 29 | 640 | 3% |
| 30 to 34 | 937 | 5% |
| 35 to 39 | 1,308 | 7% |
| 40 to 44 | 1,887 | 10% |
| 45 to 49 | 3,251 | 16% |
| 50 to 54 | 4,133 | 21% |
| 55 to 59 | 3,413 | 17% |
| 60+ | 3,775 | 19% |
| Total | 19,737 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

Table 5. People living with HIV/AIDS on December 31, 2014 by current age and gender: Massachusetts¹

| Age in years | Men | | Women | | State Total | |
|--------------|---------------|-------------|--------------|-------------|---------------|-------------|
| | N | % | N | % | N | % |
| Under 13 | 11 | <1% | 12 | <1% | 23 | <1% |
| 13 to 19 | 39 | <1% | 38 | 1% | 77 | <1% |
| 20 to 24 | 190 | 1% | 103 | 2% | 293 | 1% |
| 25 to 29 | 475 | 3% | 165 | 3% | 640 | 3% |
| 30 to 34 | 676 | 5% | 261 | 5% | 937 | 5% |
| 35 to 39 | 815 | 6% | 493 | 9% | 1,308 | 7% |
| 40 to 44 | 1,210 | 9% | 677 | 12% | 1,887 | 10% |
| 45 to 49 | 2,261 | 16% | 990 | 18% | 3,251 | 16% |
| 50 to 54 | 3,001 | 21% | 1,132 | 20% | 4,133 | 21% |
| 55 to 59 | 2,552 | 18% | 861 | 15% | 3,413 | 17% |
| 60+ | 2,868 | 20% | 907 | 16% | 3,775 | 19% |
| Total | 14,098 | 100% | 5,639 | 100% | 19,737 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/15

Table 6. People diagnosed with HIV by age at diagnosis and reported risk: Massachusetts¹, 2011–2013²

| | Age at Diagnosis (years) | | | | | | | |
|-------------------------------------|--------------------------|-------------|------------|-------------|------------|-------------|--------------|-------------|
| | 13–19 | | 20–24 | | 13–24 | | 25+ | |
| By Reported Risk: | N | % | N | % | N | % | N | % |
| Male-to-Male Sex (MSM) | 30 | 48% | 143 | 65% | 173 | 61% | 744 | 41% |
| Injection Drug Use (IDU) | 0 | 0% | 6 | 3% | 6 | 2% | 148 | 8% |
| MSM/IDU | 1 | 2% | 11 | 5% | 12 | 4% | 44 | 2% |
| Total Heterosexual Sex (HTSX) | 6 | 10% | 13 | 6% | 19 | 7% | 181 | 10% |
| • HTSX w/ an Injection Drug User | 0 | 0% | 1 | <1% | 1 | <1% | 30 | 2% |
| • HTSX w/ Bisexual men (women only) | 0 | 0% | 0 | 0% | 0 | 0% | 2 | <1% |
| • Other HTSX ³ | 0 | 0% | 0 | 0% | 0 | 0% | 4 | <1% |
| • HTSX w/ a person w/ HIV or AIDS | 6 | 10% | 12 | 5% | 18 | 6% | 145 | 8% |
| Blood/Blood Products | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |
| Pediatric | 1 | 2% | 2 | 1% | 3 | 1% | 0 | 0% |
| Total Undetermined/Other | 25 | 40% | 46 | 21% | 71 | 25% | 696 | 38% |
| • Presumed HTSX ⁴ | 13 | 21% | 16 | 7% | 29 | 10% | 246 | 14% |
| • Undetermined/Other ⁵ | 12 | 19% | 30 | 14% | 42 | 15% | 450 | 25% |
| Total | 63 | 100% | 221 | 100% | 284 | 100% | 1,813 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three year period after the implementation of HIV infection reporting in 1999.

³ Includes heterosexual sex with a person who received blood/blood products.

⁴ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁵ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁶ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

Note: The category of “presumed heterosexual” is used in Massachusetts to re-assign women who are reported with an exposure of heterosexual sex, but only with a partner of unknown HIV status or behavioral risk. Massachusetts uses the category of presumed heterosexual to distinguish these cases among women from other undetermined cases about which we know less. Prior to January 1, 2011, the presumed heterosexual category was also used to report HIV data in men. The rationale for the application of the presumed heterosexual risk category to women only has been addressed in the MDPH OHA report “Intersecting Risks: HIV Infection among Heterosexual Women and Men in Massachusetts.” (2010) http://www.mass.gov/Eeohhs2/docs/dph/aids/intersecting_risks.pdf. Nationally, the Centers for Disease Control and Prevention categorize “presumed heterosexual” cases as “no identified risk” (NIR). As such, comparisons of the presumed heterosexual category cannot be made to national data. Caution should be used in interpreting data for presumed heterosexual, as it is still not clear what the exposure risk was for women in this category. Although a person may not report other risk behaviors, such as injection drug use to a health care provider, it does not exclude the possibility that an individual has experienced these other risks. There are many barriers to disclosing HIV risk behaviors in the health care setting such as a limited patient-provider relationship or stigma.

Table 7. People living with HIV/AIDS on December 31, 2014, current age by reported risk: Massachusetts¹

| | Age on December 31, 2014 (years) | | | | | | | |
|-------------------------------------|----------------------------------|-------------|------------|-------------|------------|-------------|---------------|-------------|
| | 13–19 | | 20–24 | | 13–24 | | 25+ | |
| By Reported Risk: | N | % | N | % | N | % | N | % |
| Male-to-Male Sex (MSM) | 1 | 1% | 98 | 33% | 99 | 27% | 7,351 | 38% |
| Injection Drug Use (IDU) | 0 | 0% | 1 | <1% | 1 | <1% | 3,632 | 19% |
| MSM/IDU | 0 | 0% | 5 | 2% | 5 | 1% | 672 | 3% |
| Total Heterosexual Sex (HTSX) | 2 | 3% | 9 | 3% | 11 | 3% | 2,757 | 14% |
| • HTSX w/ an Injection Drug User | 0 | 0% | 0 | 0% | 0 | 0% | 890 | 5% |
| • HTSX w/ Bisexual men (women only) | 0 | 0% | 0 | 0% | 0 | 0% | 42 | <1% |
| • Other HTSX ² | 0 | 0% | 0 | 0% | 0 | 0% | 47 | <1% |
| • HTSX w/ a person w/ HIV or AIDS | 2 | 3% | 9 | 3% | 11 | 3% | 1,778 | 9% |
| Blood/Blood Products | 0 | 0% | 0 | 0% | 0 | 0% | 66 | <1% |
| Pediatric | 70 | 91% | 118 | 40% | 188 | 51% | 129 | 1% |
| Total Undetermined | 4 | 5% | 62 | 21% | 66 | 18% | 4,737 | 24% |
| • Presumed HTSX ³ | 2 | 3% | 23 | 8% | 25 | 7% | 1,788 | 9% |
| • Undetermined ⁴ | 2 | 3% | 39 | 13% | 41 | 11% | 2,949 | 15% |
| Total | 77 | 100% | 293 | 100% | 370 | 100% | 19,344 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Includes heterosexual sex with a person who received blood/blood products.

³ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁴ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁵ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

Table 8. People living with HIV/AIDS who were exposed to HIV infection perinatally, or through other means before age 13 (years), by age on December 31, 2014¹

| Age: | N | % |
|--------------|------------|-------------|
| Less than 13 | 23 | 7% |
| 13–19 | 70 | 21% |
| 20–24 | 118 | 35% |
| 25 and over | 129 | 38% |
| Total | 340 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 9. Adolescents and young adults 13–24 years old on December 31, 2014, who were exposed to HIV infection perinatally, or through other means before age 13, by gender and race/ethnicity¹

| Gender: | N | % |
|--------------------------|------------|-------------|
| Men | 98 | 52% |
| Women | 90 | 48% |
| Race/Ethnicity: | N | % |
| White (non-Hispanic) | 46 | 24% |
| Black (non-Hispanic) | 79 | 42% |
| Hispanic/Latino | 58 | 31% |
| Total² | 188 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Total includes Other/Undetermined race/ethnicity.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 10. People diagnosed with HIV infection between 13–24 years of age, gender by race/ethnicity and reported risk: Massachusetts¹, 2011–2013²

| | Men | | Women | |
|------------------------------|-----------------|-----------------|-----------------|-----------------|
| Race/Ethnicity: | N | % | N | % |
| White (non-Hispanic) | 87 | 40% | 14 | 22% |
| Black (non-Hispanic) | 58 | 26% | 32 | 50% |
| Hispanic/Latino | 63 | 29% | 16 | 25% |
| Asian/Pacific Islander | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ |
| Other/Unknown | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ |
| Reported Risk: | N | % | N | % |
| Male-to-Male Sex (MSM) | 173 | 79% | N/A | N/A |
| Injection Drug Use (IDU) | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ |
| MSM/IDU | 12 | 5% | N/A | N/A |
| Heterosexual sex (HTSX) | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ |
| Total Undetermined | 28 | 13% | 43 | 67% |
| • Presumed HTSX ⁴ | N/A | N/A | 29 | 45% |
| • Undetermined ⁵ | 28 | 13% | 14 | 22% |
| Total⁶ | 220 | 100% | 64 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ N/A = Not Applicable

⁴ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁵ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁶ Total includes blood/blood product reported risks.

⁷ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 11. People diagnosed with HIV infection at 25 years of age and older, gender by race/ethnicity and reported risk: Massachusetts¹, 2011–2013²

| | Men | | Women | |
|------------------------------|--------------|-------------|------------|-------------|
| Race/Ethnicity: | N | % | N | % |
| White (non-Hispanic) | 592 | 45% | 83 | 17% |
| Black (non-Hispanic) | 307 | 23% | 257 | 53% |
| Hispanic/Latino | 369 | 28% | 125 | 26% |
| Asian/Pacific Islander | 45 | 3% | 12 | 2% |
| Other/Unknown | 17 | 1% | 6 | 1% |
| Reported Risk: | N | % | N | % |
| Male-to-Male Sex (MSM) | 744 | 56% | N/A | N/A |
| Injection Drug Use (IDU) | 93 | 7% | 55 | 11% |
| MSM/IDU | 44 | 3% | N/A | N/A |
| Heterosexual sex (HTSX) | 70 | 5% | 111 | 23% |
| Total Undetermined | 379 | 28% | 317 | 66% |
| • Presumed HTSX ⁵ | N/A | N/A | 246 | 51% |
| • Undetermined ⁶ | 379 | 28% | 71 | 15% |
| Total | 1,330 | 100% | 483 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ N/A = Not Applicable

⁴ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁵ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁶ Total includes blood/blood product reported risks.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 12. People living with HIV/AIDS on December 31, 2014 between 13–24 years of age, gender by race/ethnicity and reported risk: Massachusetts¹

| | Men | | Women | |
|------------------------------|-----------------|-----------------|-----------------|-----------------|
| Race/Ethnicity: | N | % | N | % |
| White (non-Hispanic) | 51 | 22% | 38 | 27% |
| Black (non-Hispanic) | 89 | 39% | 53 | 38% |
| Hispanic/Latino | 84 | 37% | 44 | 31% |
| Asian/Pacific Islander | -- ⁶ | -- ⁶ | -- ⁶ | -- ⁶ |
| Other/Unknown | -- ⁶ | -- ⁶ | -- ⁶ | -- ⁶ |
| Reported Risk: | N | % | N | % |
| Male-to-Male Sex (MSM) | 99 | 43% | N/A | N/A |
| Injection Drug Use (IDU) | 0 | 0% | -- ⁶ | -- ⁶ |
| MSM/IDU | 5 | 2% | N/A | N/A |
| Heterosexual sex (HTSX) | 0 | 0% | -- ⁶ | -- ⁶ |
| Other ³ | 98 | 43% | 101 | 72% |
| Total Undetermined | 27 | 12% | 39 | 28% |
| • Presumed HTSX ⁴ | N/A | N/A | 25 | 18% |
| • Undetermined ⁵ | 27 | 12% | 14 | 10% |
| Total | 229 | 100% | 141 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² N/A = Not Applicable

³ Other includes pediatric and receipt of blood/blood products.

⁴ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁵ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁶ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 13. People living with HIV/AIDS on December 31, 2014, 25 years of age and older, gender by race/ethnicity and reported risk: Massachusetts¹

| | Men | | Women | |
|------------------------------|---------------|-------------|--------------|-------------|
| Race/Ethnicity: | N | % | N | % |
| White (non-Hispanic) | 7,035 | 51% | 1,343 | 24% |
| Black (non-Hispanic) | 3,212 | 23% | 2,522 | 46% |
| Hispanic/Latino | 3,238 | 23% | 1,497 | 27% |
| Asian/Pacific Islander | 276 | 2% | 75 | 1% |
| Other/Unknown | 97 | 1% | 49 | 1% |
| Reported Risk: | N | % | N | % |
| Male-to-Male Sex (MSM) | 7,351 | 53% | N/A | N/A |
| Injection Drug Use (IDU) | 2,392 | 17% | 1,240 | 23% |
| MSM/IDU | 672 | 5% | N/A | N/A |
| Heterosexual sex (HTSX) | 823 | 6% | 1,934 | 35% |
| Other ³ | 46 | <1% | 20 | <1% |
| Total Undetermined | 2,505 | 18% | 2,232 | 41% |
| • Presumed HTSX ⁴ | N/A | N/A | 1,788 | 33% |
| • Undetermined ⁵ | 2,505 | 18% | 444 | 8% |
| Total | 13,858 | 100% | 5,486 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² N/A = Not Applicable

³ Other includes pediatric and receipt of blood/blood products.

⁴ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁵ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 14. People diagnosed with HIV infection between 13–24 years of age, race/ethnicity by reported risk: Massachusetts¹, 2011–2013²

| | White (NH) ³ | | Black (NH) | | Hispanic/Latino | |
|--------------------------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Reported Risk: | N | % | N | % | N | % |
| Male-to-Male Sex (MSM) | 73 | 72% | 43 | 48% | 45 | 57% |
| Injection Drug Use (IDU) | 5 | 5% | -- ⁷ | -- ⁷ | 0 | 0% |
| MSM/IDU | 9 | 9% | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ |
| Heterosexual Sex (HTSX) | -- ⁷ | -- ⁷ | 8 | 9% | 8 | 10% |
| Other ⁴ | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ | -- ⁷ |
| Total Undetermined | 12 | 12% | 34 | 38% | 24 | 30% |
| • Presumed Heterosexual ⁵ | 5 | 5% | 18 | 20% | 6 | 8% |
| • Undetermined ⁶ | 7 | 7% | 16 | 18% | 18 | 23% |
| Total | 101 | 100% | 90 | 100% | 79 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ (NH) = Non-Hispanic

⁴ Other includes pediatric and receipt of blood/blood products.

⁵ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁶ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁷ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 15. People living with HIV/AIDS on December 31, 2014 between 13–24 years of age, race/ethnicity by reported risk: Massachusetts¹

| | White (NH) ² | | Black (NH) | | Hispanic/Latino | |
|--------------------------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| By Reported Risk: | N | % | N | % | N | % |
| Male-to-Male Sex (MSM) | 28 | 31% | 29 | 20% | 39 | 30% |
| Injection Drug Use (IDU) | -- ⁶ | -- ⁶ | 0 | 0% | -- ⁶ | -- ⁶ |
| MSM/IDU | -- ⁶ | -- ⁶ | -- ⁶ | -- ⁶ | -- ⁶ | -- ⁶ |
| Heterosexual Sex (HTSX) | -- ⁶ | -- ⁶ | -- ⁶ | -- ⁶ | 7 | 5% |
| Other ³ | 46 | 52% | 79 | 56% | 58 | 45% |
| Total Undetermined | 11 | 12% | 30 | 21% | 23 | 18% |
| • Presumed Heterosexual ⁴ | 5 | 6% | 14 | 10% | 6 | 5% |
| • Undetermined ⁵ | 6 | 7% | 16 | 11% | 17 | 13% |
| Total | 89 | 100% | 142 | 100% | 128 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² (NH) = Non-Hispanic

³ Other includes pediatric and receipt of blood/blood products.

⁴ Includes women sex with men of unknown HIV status or risk. This category is limited to women only.

⁵ Includes men sex with women of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

⁶ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program; data as of 1/1/15

Table 16. People diagnosed with HIV infection, age at diagnosis by gender and race/ethnicity: Massachusetts¹, 2011–2013²

| | Age at HIV Diagnosis (years) | | | | | | | |
|-------------------------|------------------------------|-------------|------------|-------------|------------|-------------|--------------|-------------|
| | 13–19 | | 20–24 | | 13–24 | | 25+ | |
| Gender: | N | % | N | % | N | % | N | % |
| Men | 36 | 57% | 184 | 83% | 220 | 77% | 1,330 | 73% |
| Women | 27 | 43% | 37 | 17% | 64 | 23% | 483 | 27% |
| Race: | N | % | N | % | N | % | N | % |
| White (NH) ³ | 11 | 17% | 90 | 41% | 101 | 36% | 675 | 37% |
| Black (NH) | 24 | 38% | 66 | 30% | 90 | 32% | 564 | 31% |
| Hispanic/Latino | 23 | 37% | 56 | 25% | 79 | 28% | 494 | 27% |
| API ⁴ | 2 | 3% | 7 | 3% | 9 | 3% | 57 | 3% |
| Other/Unk. ⁵ | 3 | 5% | 2 | 1% | 5 | 2% | 23 | 1% |
| Total | 63 | 100% | 221 | 100% | 284 | 100% | 1,813 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

³ (NH) = Non-Hispanic

⁴ API = Asian/Pacific Islander

⁵ Other/Unk. = Other/Unknown; includes American Indian/Alaska Native and unknown race/ethnicity

⁶ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

Table 17. People living with HIV/AIDS, age on December 31, 2014 by gender and race/ethnicity: Massachusetts¹

| | Age (years) on December 31, 2014 | | | | | | | |
|-------------------------|----------------------------------|-------------|------------|-------------|------------|-------------|---------------|-------------|
| | 13–19 | | 20–24 | | 13–24 | | 25+ | |
| Gender: | N | % | N | % | N | % | N | % |
| Men | 39 | 51% | 190 | 65% | 229 | 62% | 13,858 | 72% |
| Women | 38 | 49% | 103 | 35% | 141 | 38% | 5,486 | 28% |
| Race: | N | % | N | % | N | % | N | % |
| White (NH) ² | 10 | 13% | 79 | 27% | 89 | 24% | 8,378 | 43% |
| Black (NH) | 40 | 52% | 102 | 35% | 142 | 38% | 5,734 | 30% |
| Hispanic/Latino | 24 | 31% | 104 | 35% | 128 | 35% | 4,735 | 24% |
| API ³ | 3 | 4% | 4 | 1% | 7 | 2% | 351 | 2% |
| Other/Unk. ⁴ | 0 | 0% | 4 | 1% | 4 | 1% | 146 | 1% |
| Total | 77 | 100% | 293 | 100% | 370 | 100% | 19,344 | 100% |

¹ Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

² (NH) = Non-Hispanic

³ API = Asian/Pacific Islander

⁴ Other/Unk. = Other/Unknown; includes American Indian/Alaska Native and unknown race/ethnicity

⁵ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

Table 18. People diagnosed with HIV infection by age at diagnosis and Health Service Region (HSR):¹ Massachusetts², 2011–2013³

| | Age at HIV Diagnosis (years) | | | | | | | | Total ⁴ |
|---------------------|------------------------------|----|-------|-----|-------|-----|-------|-----|--------------------|
| | 13–19 | | 20–24 | | 13–24 | | 25+ | | |
| HSR | N | % | N | % | N | % | N | % | N |
| Boston | 22 | 3% | 77 | 12% | 99 | 16% | 531 | 84% | 633 |
| Central | 6 | 4% | 20 | 12% | 26 | 16% | 138 | 84% | 165 |
| Metro West | 6 | 2% | 22 | 7% | 28 | 9% | 293 | 91% | 323 |
| Northeast | 10 | 3% | 37 | 9% | 47 | 12% | 344 | 88% | 392 |
| Southeast | 12 | 4% | 30 | 10% | 42 | 14% | 267 | 86% | 309 |
| Western | 7 | 3% | 32 | 13% | 39 | 16% | 202 | 84% | 241 |
| Prison ⁵ | 0 | 0% | 1 | 3% | 1 | 3% | 34 | 97% | 35 |
| Mass. Total | 63 | 3% | 221 | 11% | 284 | 13% | 1,813 | 86% | 2,104 |

¹ Reflects the Health Service Region of a person's residence at the time of report (not necessarily current residence); see Epidemiologic Profile General Appendices, Health Service Region Maps, available at

http://www.mass.gov/dph/aids/research/profile2005/app5_hrs_maps.pdf for configuration of Health Service Regions

² Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

³ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

⁴ Totals include people diagnosed with HIV infection at less than 13 years of age

⁵ HSRs are regions defined geographically to facilitate targeted health service planning. While prisons do not constitute an HSR, the prison population is presented separately in this analysis because of its unique service planning needs. Prisons include only persons who were diagnosed with HIV/AIDS while in a correctional facility

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

Table 19. Ten cities/towns¹ in Massachusetts² with the highest proportion of HIV infection diagnoses (HIV Dx) among adolescents and young adults (13–24 years old): 2011–2013³

| Rank | City/Town | Number of HIV Dx among 13–24 year olds | Total Number of HIV Dx | Percent of Total HIV Dx |
|------|-------------|--|------------------------|-------------------------|
| 1 | Holyoke | 7 | 33 | 21% |
| 2 | Medford | 4 | 21 | 19% |
| 3 | Boston | 93 | 567 | 16% |
| 3 | Worcester | 13 | 80 | 16% |
| 3 | Fall River | 4 | 25 | 16% |
| 3 | Lynn | 8 | 51 | 16% |
| 4 | Springfield | 19 | 125 | 15% |
| 5 | Lowell | 7 | 68 | 10% |
| 5 | Waltham | 3 | 30 | 10% |
| 5 | Brockton | 8 | 84 | 10% |

¹ Among cities/towns with at least 5 people diagnosed with HIV infection at ages 13–24 years within the three year period 2010 to 2012; reflects the city/town of a person's residence at the time of report (not necessarily current residence). People diagnosed while at a correctional facility are not included.

² Effective, January 1, 2011 the Massachusetts Department of Public Health, Office of HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being diagnosed and reported in Massachusetts.

³ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

⁴ Numbers less than 5 for populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding); data as of 1/1/15

Technical Notes:

Tables 20–22 include data reported by students in randomly selected Massachusetts public high schools every odd year from 1993 to 2013. This anonymous survey, the Youth Risk Behavior Survey (YRBS), is administered by the Massachusetts Department of Elementary and Secondary Education in collaboration with the Centers for Disease Control and Prevention and focuses on risk behaviors that may affect the health and/or safety of high school students.

Table 20. Sexual behavior as reported to the Youth Risk Behavior Survey: Massachusetts

Calendar Year 2013

| By Behavior: | Percent of total responding yes to specified question | N ¹ (total number of respondents for each question) |
|---|---|---|
| Ever had sexual intercourse | 38.1% | 2,516 |
| Sexual intercourse before age 13 | 3.0% | 2,506 |
| 4 or more lifetime sexual intercourse partners | 9.3% | 2,508 |
| Sexual intercourse in last 3 months | 27.7% | 2,510 |
| Condom used at last intercourse ² | 57.6% | 667 |
| Alcohol/drugs used at last intercourse ² | 23.5% | 679 |
| Ever been, gotten someone pregnant | 2.7% | 2,638 |
| Ever had sexual contact against their will | 8.8% | 2,679 |

¹ The number of respondents for each question varies because not all questions are asked of everyone taking the survey and, even when the question is asked, some survey participants do not answer all questions

² Among youth reporting sexual intercourse in the past three months

Data Source: Massachusetts Department of Elementary and Secondary Education

Table 21. Massachusetts Youth Risk Behavior Survey respondents reporting condom use at last sexual intercourse by year and gender: Massachusetts, 1993–2013¹

| Year | Young Men | | Young Women | | Total | |
|------|-----------|----------------------|-------------|----------------------|-------|----------------------|
| | % | Total N ² | % | Total N ² | % | Total N ² |
| 1993 | 57.4% | 409 | 46.7% | 462 | 51.8% | 872 |
| 1995 | 59.9% | 623 | 52.0% | 626 | 55.9% | 1,253 |
| 1997 | 64.2% | 517 | 50.4% | 559 | 57.0% | 1,079 |
| 1999 | 62.6% | 589 | 52.0% | 639 | 57.2% | 1,237 |
| 2001 | 61.6% | 553 | 54.9% | 582 | 58.1% | 1,139 |
| 2003 | 60.3% | 424 | 57.4% | 496 | 57.4% | 922 |
| 2005 | 71.6% | 442 | 59.2% | 542 | 65.0% | 986 |
| 2007 | 63.2% | 422 | 59.2% | 505 | 61.1% | 929 |
| 2009 | 65.7% | 409 | 50.6% | 437 | 57.5% | 849 |
| 2011 | 64.5% | 373 | 51.0% | 387 | 57.7% | 761 |
| 2013 | 65.2% | 323 | 50.8% | 341 | 57.6% | 667 |

¹ A random sample of high schools is selected for participation each year; data presented do not represent cohorts followed over time

² Total N = total number of respondents by sex (unweighted). The number of respondents for each question varies from year to year

Data Source: Massachusetts Department of Elementary and Secondary Education

Table 22. Massachusetts Youth Risk Behavior Survey respondents reporting sexual intercourse (ever) by year and gender: Massachusetts, 1993–2013¹

| Year | Young Men | | Young Women | | Total | |
|------|-----------|----------------------|-------------|----------------------|-------|----------------------|
| | % | Total N ² | % | Total N ² | % | Total N ² |
| 1993 | 51.4% | 1,326 | 46.0% | 1,435 | 48.7% | 2,763 |
| 1995 | 50.3% | 1,870 | 42.8% | 1,930 | 46.5% | 3,806 |
| 1997 | 46.8% | 1,800 | 42.4% | 1,858 | 44.7% | 3,664 |
| 1999 | 46.4% | 1,922 | 41.8% | 2,017 | 44.1% | 3,954 |
| 2001 | 46.3% | 1,886 | 42.3% | 1,892 | 44.3% | 3,786 |
| 2003 | 40.8% | 1,581 | 41.1% | 1,676 | 41.0% | 3,261 |
| 2005 | 47.9% | 1,512 | 42.9% | 1,669 | 45.4% | 3,185 |
| 2007 | 45.2% | 1,344 | 43.7% | 1,495 | 44.4% | 2,844 |
| 2009 | 48.0% | 1,225 | 44.6% | 1,251 | 46.4% | 2,480 |
| 2011 | 44.7% | 1,228 | 39.4% | 1,281 | 42.0% | 2,513 |
| 2013 | 39.4% | 1,251 | 36.5% | 1,259 | 38.1% | 2,516 |

¹ A random sample of high schools is selected for participation each year; data presented do not represent cohorts followed over time

² Total N = total number of respondents by sex (unweighted). The number of respondents for each question varies from year to year

Data Source: Massachusetts Department of Elementary and Secondary Education